LESSON 5
MULTIPLICATION OF DECIMAL.

MELC-BASED Q4

OBJECTIVE.

MULTIPLY DECIMAL WITH OR WITHOUT REGROUPING

STEPS ON SOLVING;

- MULTIPLY DECIMAL LIKE YOU MULTIPLY WHOLE NUMBERS.DISREGARD DECIMAL POINT.

- THE TOTAL NUMBER OF DECIMALS PLACES IN THE FACTORS SHOULD BE THE SAME IN THE PRODUCT

0.32 X 03

STEP 1;

$$\begin{array}{r} 0.32 \\ \times \quad 03 \\ \hline 096 \end{array}$$

0.32 X 03

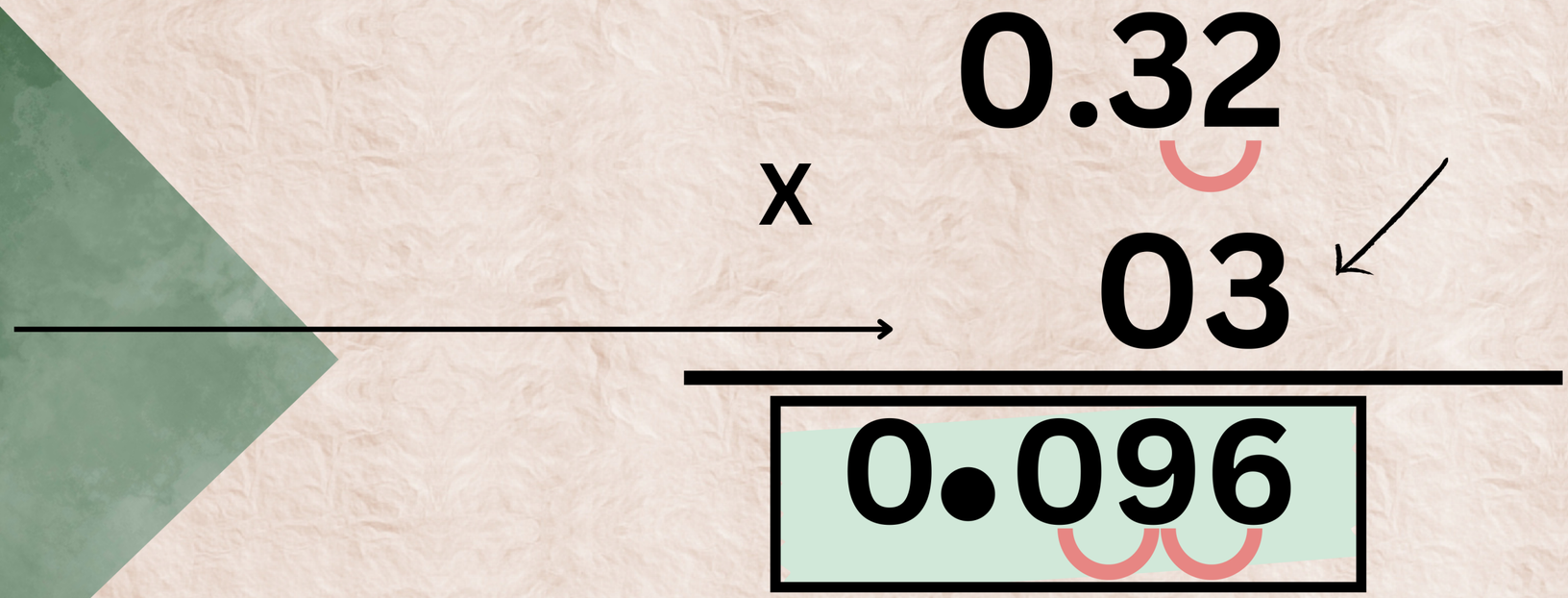
STEP 2;

$$\begin{array}{r} 0.32 \\ \times \quad 03 \\ \hline .096 \end{array}$$

3 DECIMAL PLACES

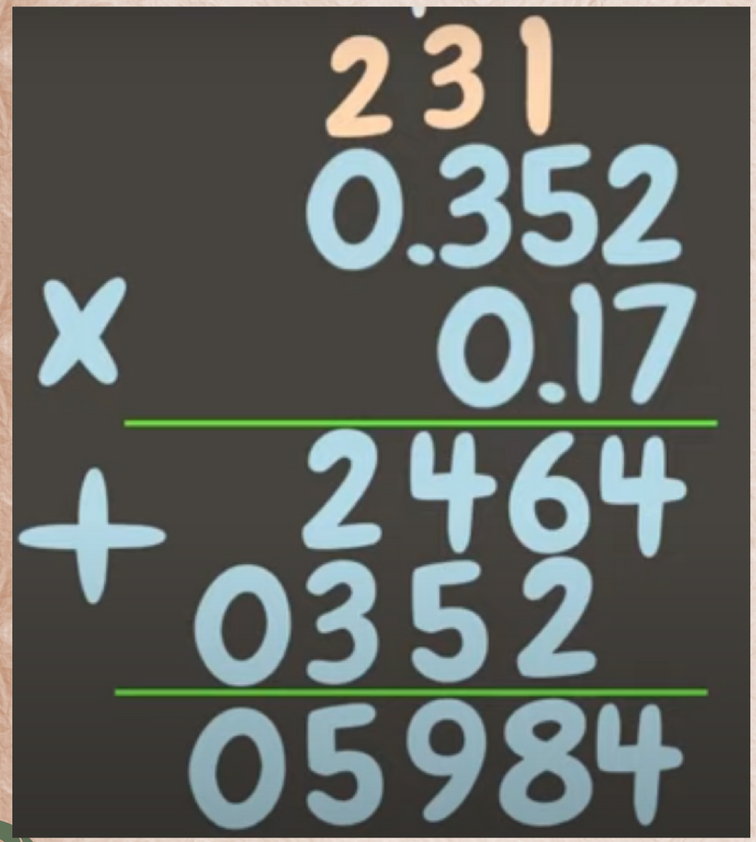
0.32 X 03

STEP 2;

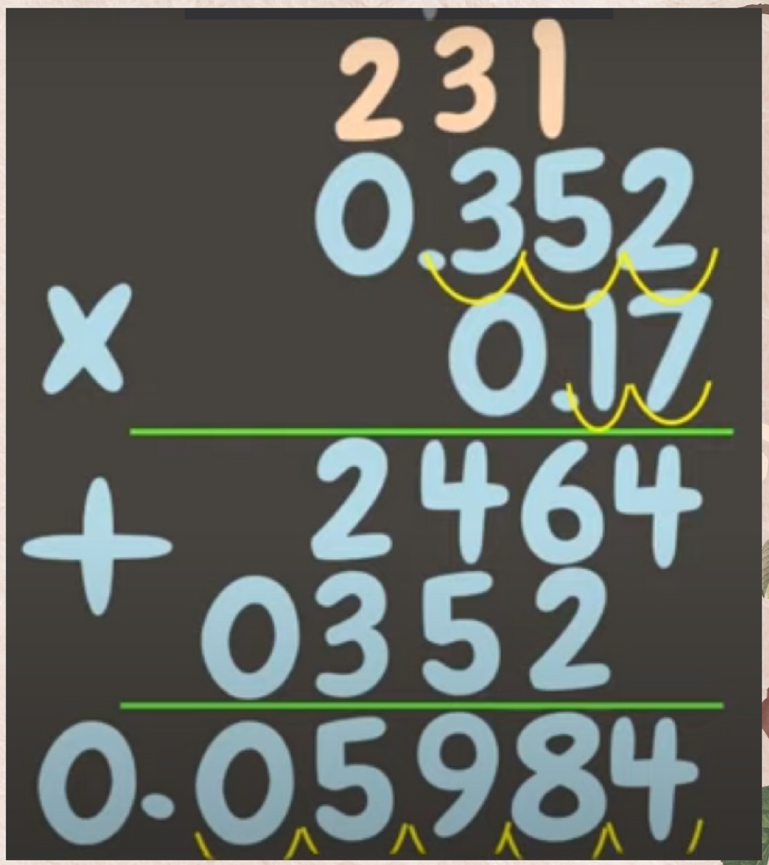


FINAL ANSWER

WHAT IS THE PRODUCT OF 0.352 & 0.17?



5 DECIMAL PLACES



0.05984

STEPS ON SOLVING;

- COPY THE FACTOR MULTIPLIED BY 10 OR 100 INCLUDING THE DECIMAL POINT.

STEPS ON SOLVING;

- COPY TO THE FACTOR MULTIPLY DECIMAL 0.1 OR 0.01 INCLUDING THE DECIMAL POINT.

- THE NUMBER OF DECIMAL PLACES IN 0.1 OR 0.01MEANS THE NUMBER OF DECIMAL PLACES YOU MOVE THE DECIMAL POINT TO THE LEFT.

- THE NUMBER OF 0 IN 10 OR 100 MEANS THE NUMBER OF DECIMAL PLACES YOU MOVE THE POINT TO THE RIGHT.

$0.32 \times 0.1 = 0.32$

$0.32 \times 0.1 = 0.32$

$0.32 \times 0.1 = 0.032$

STEP 1-3

$0.32 \times 0.01 =$

$0.32 \times 0.01 = 0.32$

$0.32 \times 0.01 = 0.0032$

$0.47 \times 10 = 0.47$

$0.47 \times 10 = 0.47$

$0.47 \times 10 = 4.7$

STEP 1 & 4

$0.47 \times 100 = 0.47.$

$0.47 \times 100 = 47$

SUMMARY

TO MULTIPLY DECIMAL;

STEP 1; MULTIPLY DECIMAL LIKE YOU MULTIPLY WHOLE NUMBERS.DISREGARD DECIMAL POINT.

STEP 2; THE TOTAL NUMBER OF DECIMALS PLACES IN THE FACTORS SHOULD BE THE SAME IN THE PRODUCT.

IN MULTIPLYING DECIMALS TO 10 OR 100.

STEP 1;COPY THE FACTOR MULTIPLIED BY 10 OR 100.INCLUDING THE DECIMAL POINT.

STEP 2; THE NUMBER OF ZERO IN 10 OR 100 MEANS THE NUMBER OF DECIMAL PLACES YOU MOVE THE POINT TO THE RIGHT.

STEP 3; ADD ZERO TO EMPTY PLACES IF NEEDED.

THANK YOU